

<b>Blue Rock Industries</b>	)	<b>Departmental</b>
<b>Cumberland County</b>	)	<b>Findings of Fact and Order</b>
<b>Westbrook, Maine</b>	)	<b>Air Emission License</b>
<b>A-140-71-H-M</b>	)	<b>Amendment #1</b>

After review of the air emissions license minor revision application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

## **I. REGISTRATION**

### **A. Introduction**

Blue Rock Industries, located in Westbrook, Maine was issued Air Emission License A-140-71-G-R on April 8, 1999 permitting the operation of emission sources associated with their Westbrook, Maine concrete batch plant and crushed stone and gravel facility.

- B. Blue Rock Industries has requested a minor revision to their Air Emissions License to allow for the replacement of two tertiary cone crushers with one new cone crusher.

### **C. Application Classification**

A modification at a facility with a licensed emissions increase of under (4) four TPY for any one regulated pollutant and under (8) eight TPY for total pollutants is determined to be a minor revision and not a major or minor modification. This amendment is determined to be a minor revision and has been processed as such.

## **II. BEST PRACTICAL TREATMENT (BPT)**

### **A. Introduction**

In order to receive a license, the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in Chapter 100 of the Bureau of Air Quality regulations. BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in Chapter 100 of the Air Regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

**B. Cone Crusher**

Blue Rock Industries is proposing to replace two currently licensed tertiary cone crushers and replace them with a new 52 inch cone crusher. The new cone crusher was manufactured in 2004 and has a production rate of 260 tons per hour (ton/hr). Therefore, the new cone crusher is subject to EPA New Source Performance Standards (NSPS) Subpart OOO for Nonmetallic Mineral Processing Plants manufactured after August 31, 1983, with capacities greater than 150 tons/hr for portable plants and greater than 25 tons/hr for non-portable plants.

The regulated pollutant from the rock crusher equipment is particulate emissions. To meet the requirements of Best Available Control Treatment (BACT) for control of particulate matter (PM) emissions from the rock crusher, Blue Rock Industries shall maintain and operate water sprays on the cone crusher in such a manner as to control visible emissions to no greater than 10% opacity on a 6-minute block average basis.

Blue Rock Industries shall maintain records of water spray maintenance, which shall include the date and nature of any water spray failures, the repair measures taken and the date and action of any preventative maintenance action taken on the water sprays. Blue Rock Industries shall also maintain a log of the cone crusher operations, which shall include the hours of cone crusher operation on a daily basis. The water spray maintenance log and the cone crusher operation log shall be kept on-site at the cone crusher.

### **III.AMBIENT AIR QUALITY ANALYSIS**

According to the Maine Regulations Chapter 115, the level of air quality analyses required for a non major source shall be determined on a case-by case basis. Based on the information available in the file, and the similarity to existing sources, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this source. An air quality analysis is not required for this amendment.

### **ORDER**

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

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Department hereby grants Air Emission License Minor Revision A-140-71-H-M, subject to the conditions found in Air Emission License A-140-71-G-R and in addition to the following conditions:

**The following are new conditions to Air Emission License A-140-71-G-R:**

(23) Rock Crushers

- a. Blue Rock shall operate and maintain spray nozzles for particulate control on the new cone crusher in such a manner as to control visible emissions to no greater than 10% opacity on a 6-minute block average basis. [MEDEP Chapter 115 BACT]
- b. Blue Rock shall maintain a log detailing the maintenance on the water spray nozzles for the new cone crusher. The maintenance log shall be located at the facility whenever the facility is in operation. [MEDEP Chapter 115 BACT]
- c. Blue Rock shall maintain a log quantifying the hours of operation and production on a daily basis for the new cone crusher. The operation log shall be located at the facility whenever the facility is in operation. [MEDEP Chapter 115 BACT]

(24) New Source Performance Standards for rock crushers

- a. The new cone crusher is subject to 40 CFR Part 60 Subparts A and OOO and Blue Rock Industries shall comply with the notification and record keeping requirements of 40 CFR Part 60.676 and Part 60.7, except for Section (a)(2) of 60.7 per Subpart OOO, §60.676(h). [40 CFR 60, Subpart OOO]
- b. Blue Rock Industries shall have an initial performance test performed on the new cone crusher per the applicable sections of 40 CFR Part 60, Subpart OOO, §60.675. This consists of a certified Method 9 observation. The performance test shall be completed within 60 days after achieving the maximum production rate at which the unit will be operated, but no later than 180 days after initial startup of the unit. Blue Rock Industries shall submit a test notice to the regional inspector at least 30 days prior to the performance test. Any rescheduled test requires a 7-day notice to the regional inspector. [40 CFR 60, Subpart OOO]

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- (25) Blue Rock Industries shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (Title 38 MRSA §605-C).
- (26) Blue Rock Industries shall pay the annual air emission license fee within 30 days of December 31 of each year. Pursuant to 38 MRSA 353-A, failure to pay this annual fee in the stated timeframe is sufficient grounds for the revocation of the license under 38 MRSA 341-D, Subsection 3.

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2004.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

This minor revision shall expire concurrently with Air Emission License A-140-71-G-R.

Date of initial receipt of application: **January 29, 2004**

Date of application acceptance: **February 10, 2004**

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by, Peter G. Carleton, Bureau of Air Quality